



## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>LEHMANN MARINE GMBH</b>
<b>Address</b>	Rieselwiesen 5, Seevetal, 21218, Germany
<b>Place of Production</b>	LEHMANN MARINE GMBH Rieselwiesen 5, Seevetal, 21218, Germany
<b>Type</b>	Lithium-Ion Battery System
<b>Description</b>	LFP Maritime Battery System including Switch Unit and Control Cabinet
<b>Trade Name</b>	CUBE Battery System
<b>Application</b>	Marine use in environmental category ENV2, as detailed in Lloyd's Register Test Specification No.1, July 2024
<b>Specified Standard</b>	Lloyd's Register Test Specification No.1, July 2024 (*) Lloyd's Register Test Specification No.5, March 2019
<b>Ratings</b>	<b>Cube Battery Module</b> <ul style="list-style-type: none"><li>• Rated capacity: <b>163Ah</b></li><li>• Energy capacity: <b>12.5kWh</b></li><li>• Maximum ambient operating temperature: <b>55°C</b></li><li>• Automatic shutdown cell minimum temperature: <b>-20°C</b></li><li>• Automatic shutdown cell maximum temperature: <b>58°C</b></li><li>• Module operating voltage range: <b>from 60V to 87V</b></li></ul>

**Ilir Batalli**

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